

## **SUMMARY**

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1.1, Solid Waste Treatment, PBS WM04, WBS 1.2.2.1; Liquid Effluents, PBS WM05, WBS 1.2.3.1; and Analytical Services, PBS WM06, WBS 1.2.4.1.

The Waste Management Project continues to make significant progress. The 200 Area Effluent Treatment Facility continues to process CERCLA feed well above targeted rate with no increase to total operating costs. One-hundred drums containing debris waste material generated by the TWRS program was certified in preparation for treatment at Idaho National Environmental Engineering Laboratory (INEEL) Waste Experimental Reduction Facility (WERF). This effort supports Waste Management's goal to reduce the volume of mixed and hazardous waste subject to storage and treatment. Cleanout of the 340 Facility above ground tanks to reduce the solids inventory was successfully completed. The 2706-TB Building construction was started on schedule and is expected to complete on or slightly ahead of schedule. Completion of the construction of the new 2706-TB Building will allow the 2706-T Facility to operate independent of the 221-T Canyon and no longer be reliant on the canyon waste transfer system. The Waste Sampling and Characterization Facility has not had a lost time injury since occupying the facility on October 1, 1993.

Milestone performance (EA, DOE-HQ, Field Office, and RL) shows that six milestones (74 percent) were completed early or on schedule; one milestone (13 percent) was completed late; and one milestone (13 percent) is overdue. The submittal of a draft revised 222-S Part B Permit to Ecology was impacted by the unresolved Ecology issues. Baseline change request (BCR) WM-98-018 is in process to extend the completion date for this milestone. Three FY 1997 milestones were not completed; two will be completed late and one will be dispositioned through the baseline change control process.

## **ACCOMPLISHMENTS**

- Overpacked 988 of 1,800 183-H containers to date, exceeding the performance indicator of 900. (WM 8.1.1)
- Successfully completed cleanout of above ground tanks at the 340 Facility on schedule. (WM 5.1.1)
- Identified and submitted five initiatives to increase work performed at WSCF on schedule. (WM 9.1.1)
- Submitted charters for HASQARD Focus Group and Integrated Contractor Assessment Team Program on schedule. (WM 7.1.1)

**Hanford Site Performance Report****Section G - Waste Management - March 1998**

- The 200 Area Effluent Treatment Facility fiscal year to date CERCLA feed processing efficiency is 70 gallons per minute (gpm) versus targeted 50 gpm. (WM 4.1.1)
- Submitted annual update to 242-A Evaporator Safety Analysis Report on schedule. (Planned)
- Submitted Low Level Burial Ground Monitoring Evaluation Report on schedule. (A6M-98-001)
- Issued the Annual Report on Waste Generation and Pollution Prevention Accomplishments 14 days ahead of schedule. (YP2-98-003)
- Completed characterization activities on 12,152 package identification numbers versus goal of 10,100. (WM 1.1.1)
- Completed weight screens and evaluation of 183-H drums to locate drums containing empty bags on schedule. (WM 1.1.1)
- Certified 100 drums containing waste material generated by TWRS in preparation for shipment to INEEL WERF on schedule. (WM 2.1.1)
- The Waste Sampling and Characterization Facility has not had a lost time injury since occupying the facility on October 1, 1993.

**COST PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>ACWP</b>	<b>VARIANCE</b>
<b>Waste Management</b>	\$ 63.0	\$ 56.2	\$6.8

The 10.8 percent favorable cost variance is due to indirect passbacks (\$4.0M) and project efficiencies.

**SCHEDULE PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>BCWS</b>	<b>VARIANCE</b>
<b>Waste Management</b>	\$63.0	\$ 61.9	\$1.1

The 1.8 percent favorable schedule variance is within established thresholds and is primarily attributable to 200 Liquid Waste Processing Facility increased throughput.

## ISSUES

- 1) **Idaho National Environmental Engineering Laboratory (INEEL) Waste Experimental Reduction Facility (WERF) Scheduling Delays.** INEEL scheduling delays may impact ability to ship debris waste for incineration this fiscal year.

**Strategy/Status:** INEEL will receive waste in August 1998; however, the incineration campaign is not planned until FY 1999. A letter documenting shipment will be sufficient to meet WM 2.1.1. Funding for shipment and disposal in FY 1999 will be required.

**COST VARIANCE ANALYSIS: (\$6.8M)****WBS/PBS****Title****1.2.1.1/WM03****Solid Waste Storage & Disposal**

**Description/Cause:** The total project favorable cost variance of \$1.5M (9.8 percent) is due to indirect passbacks (\$0.7M); delays in obtaining scrapers for burial ground radiation control areas (level of effort work scope); and maintenance and engineering cost efficiencies.

**Impact:** The savings generated by the \$0.7M indirect passback will allow Waste Management to add unfunded workscope (Waste Isolation Pilot Plant certification and WRAP low level and transuranic waste operation preparations) to the WM04 baseline through BCR WM-98-010, Rev. 1. However, the favorable variance is projected to continue due to continued identification of cost efficiencies and the favorable passback.

**Corrective Action:** BCR WM-98-010, Rev. 1 is in process to authorize the addition of the new scope. Scrapers are to be available in late summer.

**1.2.1.2/WM04****Solid Waste Treatment**

**Description/Cause:** The total project favorable cost variance of \$0.1M (0.6 percent) is due to indirect passbacks (\$1.0M) offset by Waste Receiving and Processing Facility (WRAP) maintenance activities to correct pre-existing conditions and other prestart issues.

**Impact:** The savings generated by the \$1.0M indirect passback will allow Waste Management to add unfunded workscope (Waste Isolation Pilot Plant certification and WRAP low level and transuranic waste operations preparations) to the baseline. A portion of the increased cost to correct the WRAP pre-existing conditions have been addressed in change control; however a \$0.6M projected overrun remains to be resolved.

**Corrective Action:** BCR WM-98-010, Rev. 1 is in process to authorize the addition of the new scope. Waste Management Program is identifying sources (potential cost efficiencies) to offset the \$0.6M projected WRAP overrun.

**1.2.3.1/WM05****Liquid Effluents**

**Description/Cause:** The total project favorable cost variance of \$3.0M (19.2 percent) is due to indirect passbacks (\$1.1M) and 200 Liquid Waste Processing Facility increased throughput.

**Impact:** The savings generated by the \$1.1M indirect passback will allow Waste Management to add unfunded workscope (Waste Isolation Pilot Plant certification and WRAP low level and transuranic waste operations preparations) to the WM04 baseline through BCR WM-98-010, Rev. 1. The favorable variance is projected to continue due to continued identification of cost efficiencies and the favorable passback.

**Corrective Action:** BCR WM-98-010, Rev. 1 is in process to authorize the addition of the new scope.

**COST VARIANCE ANALYSIS: (\$6.8M)****WBS/PBS****Title****1.2.4.1/WM06****Analytical Services**

**Description/Cause** The total project favorable cost variance of \$2.1M (14.9 percent) is due to indirect passbacks (\$1.2M); 222-S Laboratory maintenance and engineering cost efficiencies; and delay in receipt of LABCORE contract billings.

**Impact:** The \$1.2M of the indirect passback will allow Waste Management to add unfunded workscope (Waste Isolation Pilot Plant certification and WRAP low level and transuranic waste operations preparations) to the baseline. The favorable variance is projected to continue due to continued identification of cost efficiencies and the favorable passback.

**Corrective Action:** BCR WM-98-010, Rev. 1 is in process to authorize the addition of the new scope. Discussions are continuing between the vendor, LMSI, and Waste Management to resolve the timeliness of the LABCORE contract billings.

**SCHEDULE VARIANCE ANALYSIS: (\$1.1M)****WBS/PBS****Title****1.2.1.1/WM03****Solid Waste Storage & Disposal**

**Description /Cause:** The total project unfavorable schedule variance of \$0.2M (1.4%) is within the established -7.5/+10% thresholds.

**Impact:** None.

**Corrective Action:** None.

**1.2.2.1/WM04****Solid Waste Treatment**

**Description /Cause:** There is no schedule variance.

**Impact:** N/A

**Corrective Action:** N/A.

**1.2.3.1/WM05****Liquid Effluents**

**Description /Cause:** The total project favorable schedule variance of \$1.3M (8.5 percent) is due to 200 LWPF increased throughput.

**Impact:** No long-term project impacts.

**Corrective Action:** None required.

**1.2.4.1/WM06****Analytical Services**

**Description /Cause:** There is no schedule variance.

**Impact:** N/A

**Corrective Action:** N/A

**Hanford Site Performance Report****Section G - Waste Management - March 1998****MILESTONE EXCEPTION REPORT****OVERDUE - 1**

<u>No./WBS</u> <u>Date</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast</u>
AS-97-004	RL	Submit revised 222-S Part B Permit for Review	3/31/98	8/1/ 98

1.2.4.1 and Comment

**Cause:** Unresolved issues between Ecology, RL, and PHMC on the 222-S Laboratory notice of violations and penalties.

**Impact:** Late completion and submittal of the 222-S Part B Permit draft. However, assuming successful resolution of the issues, the delay will not impact the submittal of the final 222-S Part B Permit to Ecology on June 1, 1999.

**Corrective Action:** Continue negotiations to resolve issues between Ecology, RL, and the PHMC.

**FORECAST LATE - 0****FY 1997 OVERDUE -3**

LEP-97-019	RL	Review Operating and Maintenance	6/30/97	6/15/98
1.2.3.1		Requirements for 310 TEDF		

**Cause:** Use of Necessary and Sufficient Standards requires stakeholder involvement to be included in process.

**Impact:** None

**Corrective Action:** A change request will be prepared describing the workscope change and subsequent milestone completion date extension. This document will be submitted to RL by May 15, 1998.

LEP-97-028	RL	Treat UP-1 Groundwater and N Basin	7/31/97	Proposed
1.2.3.1		Water in 200A ETF		Deletion

**Cause:** No longer relevant due to change from batch processing mode to continuous processing at the Effluent Treatment Facility.

**Impact:** None.

**Corrective Action:** Baseline change request is being developed to delete this milestone.

AS-97-016	RL	Submit Draft Revised 222-S Part B	9/5/97	5/5/98
1.2.4.1		Permit to FDH Project Office		

**Cause:** Behind schedule due to Ecology compliance issues and response to penalty.

**Impact:** None.

**Corrective Action:** BCR WM-98-018 is in process to extend completion date to May 5, 1998.